EITEL-McCULLOUGH, INC.

SAN BRUNO, CALIFORNIA

TOOIL

LOW-MU TRIODE

MODULATOR OSCILLATOR AMPLIFIER

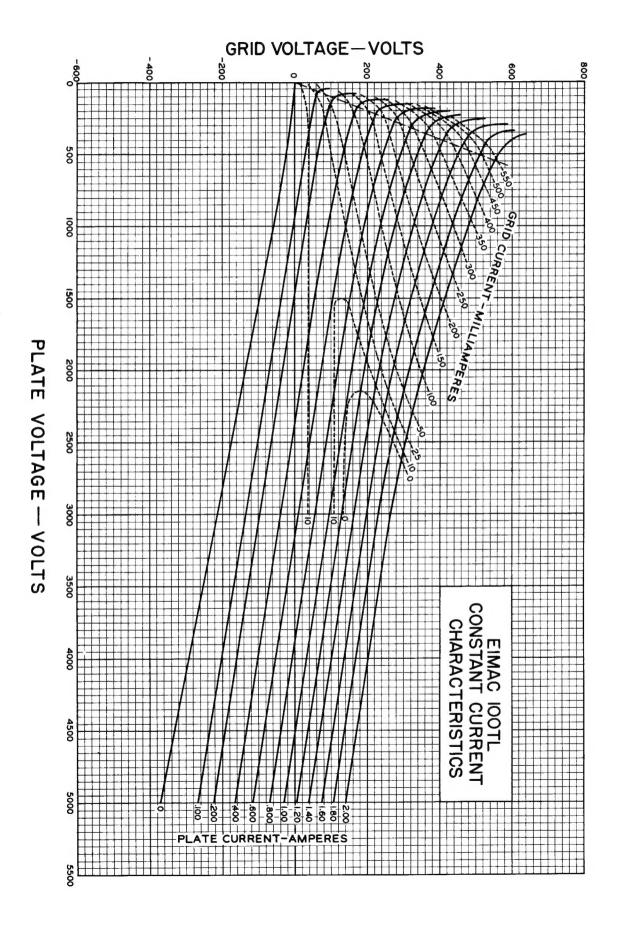
The Eimac 100TL is a low-mu power triode having a maximum plate dissipation rating of 100 watts, and is intended for use as an amplifier, oscillator or modulator. It can be used at its maximum ratings at frequencies as high as 40-Mc.

ı		
- -	-	Eimac HR-6 Eimac HR-2
		7.75 in ab ac
-	-	3.19 inches 4 ounces
_	_	1.5 pounds

PLATE DISSIPATION, PER TUBE -100 MAX. WATTS *Adjust to give stated zero signal plate current. RADIO FREQUENCY POWER AMPLIFIER TYPICAL OPERATION 3000 Volts 400 Volts AND OSCILLATOR D-C Plate Voltage -1500 2000 D-C Grid Voltage D-C Plate Current -175-225 Class-C Telegraphy or FM Telephony 190 165 Ma. 165 (Key-down conditions, per tube) D-C Grid Current 37 30 Ma. 28 MAXIMUM RATINGS Peak R-F Grid Input Voltage 650 Volts 425 450 Driving Power (approx.) -Grid Dissipation - -20 Watts D-C PLATE VOLTAGE -3000 MAX. VOLTS 14 11 8 Watts 7.5 D-C PLATE CURRENT 225 MAX. MA. Plate Power Input 335 500 Watts 285 PLATE DISSIPATION 100 MAX. WATTS Plate Dissipation 100 Watts 100 100 GRID DISSIPATION 15 MAX. WATTS 400 Watts Plate Power Output -

•	PLATE MODULATED RADIO FREQUENCY	TYPICAL OPERATION
	AMPLIFIER	D-C Plate Voltage 1500 2000 2500 Volts
	C1	D-C Grid Voltage 300 - 400 - 500 Volts
	Class-C Telephony (Carrier conditions, per tube)	D-C Plate Current 160 150 140 Ma.
	11.340 00.4 5	D-C Grid Current 32 31 31 Ma.
	MAXIMUM RATINGS	Peak R-F Grid Input Voltage 530 655 750 Volts
	D-C PLATE VOLTAGE 2500 MAX. VOLTS	Driving Power (approx.) 17 20 23 Watts
	D-C PLATE CURRENT 180 MAX. MA.	Grid Dissipation 8 7.5 7.5 Watts
	PLATE DISSIPATION 65 MAX. WATTS	Plate Power Input 240 300 350 Watts
		Plate Dissipation 65 65 Watts
	GRID DISSIPATION 15 MAX. WATTS	Plate Power Output 175 235 285 Watts
	(Effective 4-1-49) Copyright, 1949 by Eitel-McCullough, Inc.	Indicates change from sheet dated 7-1-44.



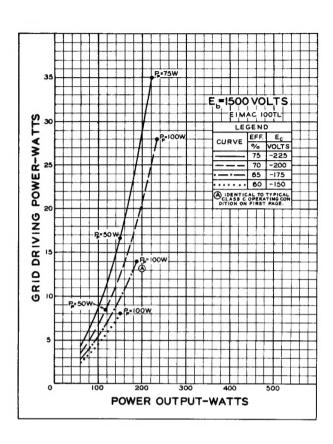


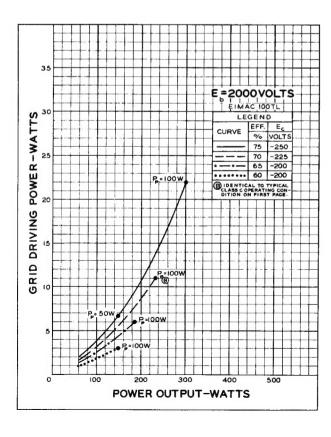


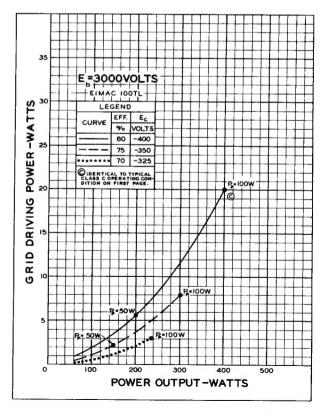
DRIVING POWER vs. POWER OUTPUT

The three charts on this page show the relationship of plate efficiency, power output and grid driving power at plate voltages of 1500, 2000 and 3000 volts. These charts show combined grid and bias losses only. The driving power and power output figures do not include circuit losses. The plate dissipation in watts is indicated by Pp.

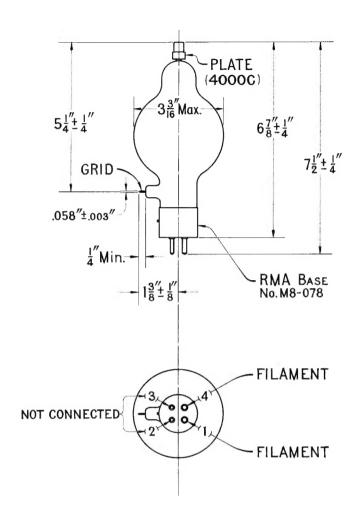
Points A, B, and C are identical to the typical Class C operating conditions shown on the first page under 1500, 2000, and 3000 volts respectively.



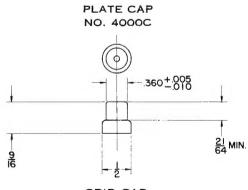












GRID CAP (SEE TUBE OUTLINE DRAWING)